Traffic Signal Cables

Single Core Loop Detector Cables

EPR or EPR/PCP 85°C 450/750V

Application

Used in vehicle monitoring equipment for detection of traffic movements via creation of inductive loop to frequency signal flowing in cable and metallic parts of vehicle. These cables are designed for installation in a slot cut into the carriageway.

Specifications

- Generally in accordance with DoT specification TR2029.
- **Conductors:** Flexible (Class 5) tinned copper conductors to BS EN 60228.
- **Insulation:** Black EPR insulation Type GP1 to BS7655.
- **Sheath (sheathed versions only):** Black heavy duty PCP Type RS2 to BS7655.
- Flame retardant to BS EN 60332-1-2.
- **Temperature Rating:** 85°C maximum conductor operating temperature.
- **Voltage Rating:** 450/750V.

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Anixter Number	Number of Cores	Nominal Cond Area	Nominal Cond Stranding	Insulation Thickness	Sheath Thickness*	Minimum O/D	Nominal O/D	Approx Cable Weight	Minimum Bending Radius (fixed bend)
		mm^2	#/mm	mm	mm	mm	mm	kg/km	mm
EPR insulated only									
A4-C30-0115-EPR-02	1	1.5	30/0.25	1.10	-	3.8	4.0	30	15
A4-C50-0125-EPR-02	1	2.5	50/0.25	2.10	-	6.05	6.35	48	20
EPR insulated/ PCP sheath									
TR2029-1.5MM	1	1.5	30/0.25	0.8	1.4	6.8	7.2	65	30

*Applicable to sheathed versions only.

- Technical Information: Maximum d.c. conductor resistance at 20°C
  1.5mm^2 ohms/km 13.7
  2.5mm^2 ohms/km 8.21